

**AMENDMENTS**

**In the specification:**

Please insert the attached "Sequence Listing" as separately numbered pages 1-16 after the abstract.

In the paragraph at page 3, line33, please make the following amendments:

Figures 4A to 4D. Summary of spectral features and chromophore structures in...

In the paragraph at page 7, lines 11, please make the following amendments:

Figures 7A to 7C. Alignment of the currently cloned and spectroscopically...

In the paragraph at page 4, lines 15-19, please make the following amendments:

**In the drawings:**

Please replace the originally filed Figures 1-21 with the enclosed Figures 1 to 21.